

Mountain Valley Pipeline, LLC

v.

Easements to Construct, etc., et al.

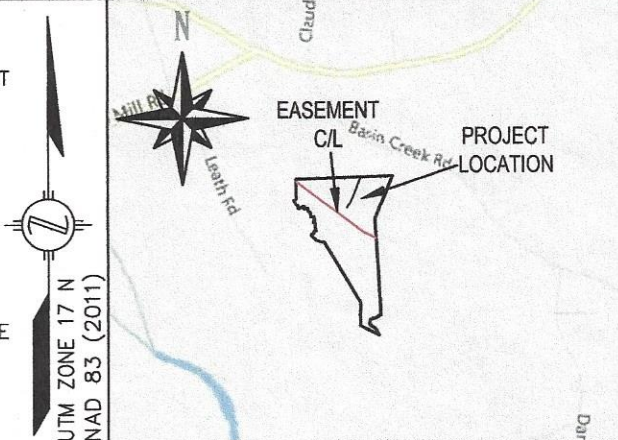
Exhibit 15 to Complaint

Maps of MVP Parcel Nos. NC-AL-050.000 and NC-AL-050.100.AR

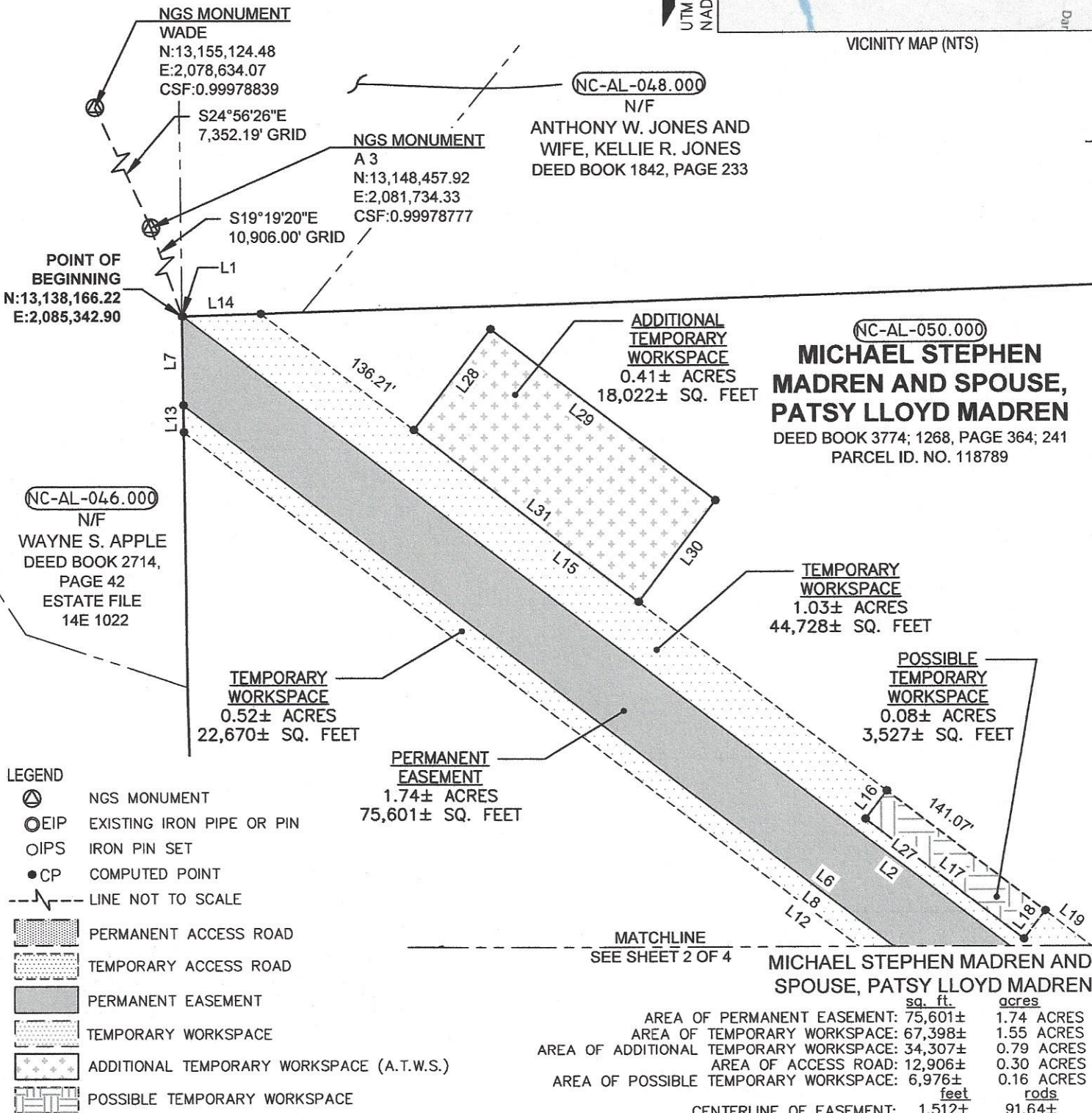
EXHIBIT A

NOTES

1. ALL DISTANCES SHOWN HEREON ARE HORIZONTAL GRID DISTANCES, A PROJECT SCALE FACTOR (PSF) OF 0.99979557 WAS ESTABLISHED FOR THIS PROJECT. TO OBTAIN GROUND DISTANCE, DIVIDE THE DISTANCE SHOWN BY THE PSF.
2. AREAS DETERMINED BY COORDINATE METHOD.
3. AREAS SHOWN ARE SUBJECT TO EASEMENT OF RECORD.
4. RECORD REFERENCES: DEED BOOK 3774; 1268, PAGE 364; 241
5. PARCEL ID: 118789
6. PROPERTY LINES SHOWN ARE BASED ON EXISTING DEEDS, PLATS AND VISIBLE MONUMENTATION DISCOVERED ALONG PROJECT AREA.
7. THIS SURVEY IS REFERENCED TO UTM ZONE 17 N NAD 83 (2011).
8. ALL CORNERS ARE AS NOTED.
9. THIS PLAT IS FOR EASEMENT ACQUISITION PURPOSES ONLY AND IS NOT TO BE CONSIDERED A BOUNDARY SURVEY OF THE PARENT TRACT.
10. TEMPORARY EASEMENT TO BE ACQUIRED.



VICINITY MAP (NTS)



LEGEND

- NGS MONUMENT
- EXISTING IRON PIPE OR PIN
- IRON PIN SET
- COMPUTED POINT
- LINE NOT TO SCALE
- PERMANENT ACCESS ROAD
- TEMPORARY ACCESS ROAD
- PERMANENT EASEMENT
- TEMPORARY WORKSPACE
- ADDITIONAL TEMPORARY WORKSPACE (A.T.W.S.)
- POSSIBLE TEMPORARY WORKSPACE

I, Thomas Warner Kimmel, certify that this plat is of a PERMANENT EASEMENT for a public utility as defined in GS 62-3; that this plat was drawn under my supervision from an actual survey performed under my supervision (deed description recorded in deed book 3774; 1268, page 364; 241); that the ratio of precision as calculated is 1:10,000±; that the Global Positioning System (GPS) observations were performed to the Geospatial Positioning Accuracy Standards, Part 2: Standards for Geodetic Networks at the Class "A" accuracy classification (95% confidence) using RTK/VRS networks and traditional traverses.

That this plat meets the requirements of G.S. 47-30 section (f)(11)(c).

This 29th day of June, 2020

THOMAS WARNER KIMMEL, PLS L 3674
LAND OWNER INITIALS: _____
DATE: _____
TRC ENGINEERS, INC
2200 LIBERTY AVENUE,
SUITE 100
PITTSBURGH, PA 15222
PH: (724) 749-8572 tkimmel@trcsolutions.com
NC CORPORATE LICENSE No. F-0591



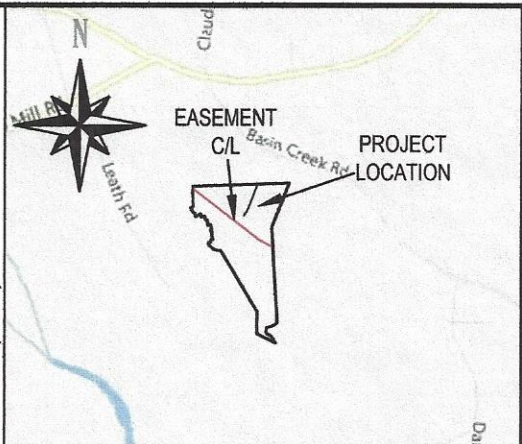
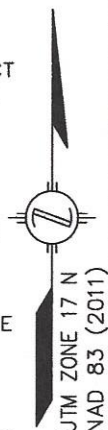
MATCHLINE
SEE SHEET 2 OF 4
MICHAEL STEPHEN MADREN AND SPOUSE, PATSY LLOYD MADREN
sq. ft. acres
AREA OF PERMANENT EASEMENT: 75,601± 1.74 ACRES
AREA OF TEMPORARY WORKSPACE: 67,398± 1.55 ACRES
AREA OF ADDITIONAL TEMPORARY WORKSPACE: 34,307± 0.79 ACRES
AREA OF ACCESS ROAD: 12,906± 0.30 ACRES
AREA OF POSSIBLE TEMPORARY WORKSPACE: 6,976± 0.16 ACRES
feet rods
CENTERLINE OF EASEMENT: 1,512± 91.64±
CENTERLINE OF ACCESS ROAD: 516± 31.29±
SEE SHEET 4 OF 4 FOR LINE TABLES

EASEMENT SURVEY FOR MVP SOUTHGATE TOWNSHIP OF MORTON ALAMANCE COUNTY, NORTH CAROLINA				
PIPELINE EASEMENT IN PROPERTY OF MICHAEL STEPHEN MADREN AND SPOUSE, PATSY LLOYD MADREN NC-AL-050.000 DEED BOOK 3774; 1268, PAGE 364; 241				
NC-AL-050.000				
Drawn By: DJB	Chk'd By: DD	App'd By: TWK	TRC Proj. No. 300423	Scale: 1"=100'
Drawn Date: 7/9/19			Sheet: 1 OF 4	MVP Proj. No.
100 50 0 100 GRAPHIC SCALE IN FEET				
REVISIONS				
A	7/9/2019		ISSUE FOR REVIEW	
1	5/21/20	MSF	GENERAL REVISIONS	TWK
2	6/29/20	DD	GENERAL REVISIONS	TWK
No.	Date	Rev By	Description	Checked

NOTES

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8. ALL CORNERS ARE AS NOTED.
9. THIS PLAT IS FOR EASEMENT ACQUISITION PURPOSES ONLY AND IS NOT TO BE CONSIDERED A BOUNDARY SURVEY OF THE PARENT TRACT.
10. TEMPORARY EASEMENT TO BE ACQUIRED.

EXHIBIT A



SEE SHEET 3 OF 4
MATCHLINE

TEMPORARY
ACCESS ROAD
TA-AL-163
0.30± ACRES
12,906± SQ. FEET

VICINITY MAP (NTS)

(NC-AL-051.000)

N/F

GREGORY WAYNE MADREN,
MARSHA DAWN MADREN
HATCH, AND RODNEY LEE
MADREN
DEED BOOK 3468, PAGE 168

SEE SHEET 1 OF 4
MATCHLINE

CHECK
POINT
N:13,137,725.43
E:2,086,127.43

ADDITIONAL
TEMPORARY
WORKSPACE
0.27± ACRES
11,558± SQ. FEET

POSSIBLE
TEMPORARY
WORKSPACE
0.08± ACRES
3,449± SQ. FEET

PERMANENT
EASEMENT
1.74± ACRES
75,601± SQ. FEET

TEMPORARY
WORKSPACE
1.03± ACRES
44,728± SQ. FEET

TEMPORARY
WORKSPACE
0.52± ACRES
22,670± SQ. FEET

(NC-AL-050.000)

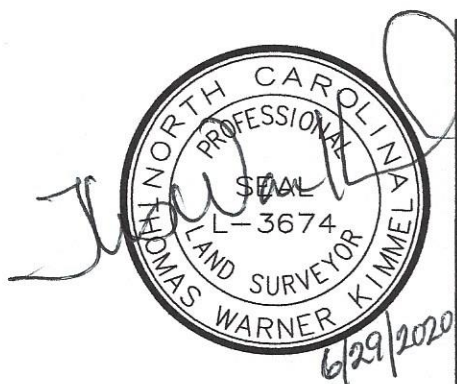
**MICHAEL STEPHEN MADREN
AND SPOUSE, PATSY LLOYD
MADREN**

DEED BOOK 3774; 1268, PAGE 364; 241
PARCEL ID. NO. 118789

ADDITIONAL
TEMPORARY
WORKSPACE
0.11± ACRES
4,727± SQ. FEET

LEGEND

- NGS MONUMENT
- EXISTING IRON PIPE OR PIN
- IRON PIN SET
- COMPUTED POINT
- LINE NOT TO SCALE
- PERMANENT ACCESS ROAD
- TEMPORARY ACCESS ROAD
- PERMANENT EASEMENT
- TEMPORARY WORKSPACE
- ADDITIONAL TEMPORARY WORKSPACE (A.T.W.S.)
- POSSIBLE TEMPORARY WORKSPACE



LAND
OWNER
INITIALS: _____
DATE: _____

SEE SHEET 4 OF 4 FOR LINE TABLES

EASEMENT SURVEY
FOR MVP SOUTHGATE
TOWNSHIP OF MORTON
ALAMANCE COUNTY, NORTH CAROLINA



PIPELINE EASEMENT IN PROPERTY OF
MICHAEL STEPHEN MADREN AND SPOUSE,
PATSY LLOYD MADREN
NC-AL-050.000
DEED BOOK 3774; 1268, PAGE 364; 241

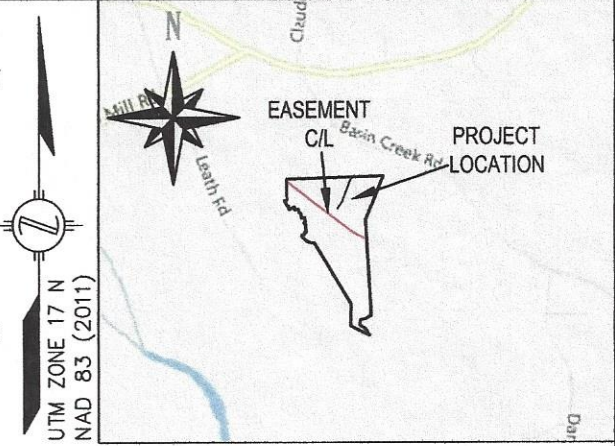
NC-AL-050.000				
Drawn By:	DJB	Chk'd By:	DD	App'd By:
Drawn Date:	7/9/19	DD	TKW	Sheet: 2 OF 4
GRAPHIC SCALE IN FEET				
REVISIONS				
A	7/9/2019		ISSUE FOR REVIEW	
1	5/21/20	MSF	GENERAL REVISIONS	TKW
2	6/29/20	DD	GENERAL REVISIONS	TKW
No.	Date	Rev By	Description	Checked

SEE SHEET 1 FOR LAND SURVEYOR'S CERTIFICATE.

EXHIBIT A

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- 10. TEMPORARY EASEMENT TO BE ACQUIRED.



NC-AL-049.000
N/F

MICHAEL LYNN BARNETTE
AND WIFE KAREN LANGLEY
BARNETTE
DEED BOOK 998, PAGE 603

NC-AL-050.100
N/F

MICHAEL STEPHEN MADREN AND
SPOUSE, PATSY LLOYD MADREN
DEED BOOK 1268; 3774, PAGE 243; 364

TEMPORARY
ACCESS ROAD
TA-AL-163
0.30± ACRES
12,906± SQ. FEET

CHECK
COORDINATES
N:13,138,198.54
E:2,086,331.37

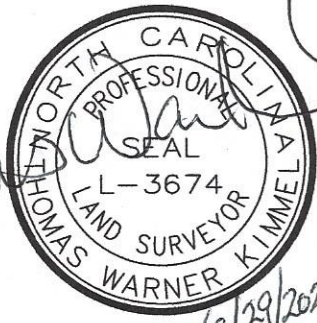
NC-AL-050.000

MICHAEL STEPHEN
MADREN AND SPOUSE,
PATSY LLOYD MADREN
DEED BOOK 3774; 1268, PAGE 364; 241
PARCEL ID. NO. 118789

MATCHLINE
SEE SHEET 2 OF 4

LEGEND

- NGS MONUMENT
- EXISTING IRON PIPE OR PIN
- IRON PIN SET
- COMPUTED POINT
- LINE NOT TO SCALE
- PERMANENT ACCESS ROAD
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- PERMANENT EASEMENT
- TEMPORARY WORKSPACE
- ADDITIONAL TEMPORARY WORKSPACE (A.T.W.S.)
- POSSIBLE TEMPORARY WORKSPACE



LAND
OWNER
INITIALS: _____
DATE: _____

SEE SHEET 4 OF 4 FOR LINE TABLES

EASEMENT SURVEY
FOR MVP SOUTHGATE
TOWNSHIP OF MORTON
ALAMANCE COUNTY, NORTH CAROLINA

Mountain Valley
PIPELINE LLC

PIPELINE EASEMENT IN PROPERTY OF
MICHAEL STEPHEN MADREN AND SPOUSE,
PATSY LLOYD MADREN
NC-AL-050.000
DEED BOOK 3774; 1268, PAGE 364; 241

NC-AL-050.000

Drawn By: DJB Chk'd By: DD App'd By: TWK TRC Proj. No. 300423 Scale: 1"=100'
Drawn Date: 7/9/19 DD TWK Sheet 3 OF 4 MVP Proj. No.

100 50 0 100
GRAPHIC SCALE IN FEET

REVISIONS				
No.	Date	Rev By	Description	Checked
A	7/9/2019		ISSUE FOR REVIEW	
1	5/21/20	MSF	GENERAL REVISIONS	TWK
2	6/29/20	DD	GENERAL REVISIONS	TWK

SEE SHEET 1 FOR LAND SURVEYOR'S CERTIFICATE.

EXHIBIT A

PERMANENT EASEMENT		
LINE TABLE		
LINE	BEARING	DISTANCE
L1	N88°07'39"E	0.46'
L2	S52°39'35"E	1,304.13'
L3	S63°55'13"E	207.85'
L4	S03°14'57"E	57.35'
L5	N63°55'13"W	240.88'
L6	N52°39'35"W	1,270.59'
L7	N00°39'12"W	63.07'

TEMPORARY WORKSPACE		
LINE TABLE		
LINE	BEARING	DISTANCE
L8	S52°39'35"E	1,270.59'
L9	S63°55'13"E	240.88'
L10	S03°14'57"E	17.21'
L11	N63°55'13"W	250.78'
L12	N52°39'35"W	1,260.36'
L13	N00°39'12"W	19.03'
L14	N88°07'39"E	55.36'
L15	S52°39'35"E	557.20'
L16	S37°20'25"W	25.00'
L17	S52°39'35"E	141.07'
L18	N37°20'25"E	25.00'
L19	S52°39'35"E	299.06'
L20	S37°20'25"W	25.00'
L21	S52°39'35"E	137.95'
L22	N37°20'26"E	25.00'
L23	S52°39'35"E	122.50'
L24	S63°55'13"E	184.74'
L25	S03°14'57"E	40.15'
L26	N63°55'13"W	207.85'
L27	N52°39'35"W	1,304.13'

ADDITIONAL TEMPORARY WORKSPACE		
LINE TABLE		
LINE	BEARING	DISTANCE
L28	N37°20'24"E	90.11'
L29	S52°39'35"E	200.00'
L30	S37°20'25"W	90.11'
L31	N52°39'35"W	200.00'
L32	N52°39'35"W	128.23'
L33	N37°17'45"E	90.11'
L34	S52°39'35"E	128.30'
L35	S37°20'25"W	90.11'
L36	S03°14'57"E	152.03'
L37	S80°11'52"W	12.10'
L38	N09°48'08"W	48.92'
L39	N63°55'13"W	48.92'
L40	N26°04'47"E	100.00'
L41	S63°55'13"E	12.93'

TEMPORARY ACCESS ROAD		
LINE TABLE		
LINE	BEARING	DISTANCE
L42	N29°27'14"E	107.08'
L43	N24°22'01"E	89.06'
L44	N21°32'38"E	292.55'
L45	N14°57'07"E	27.57'




LAND
OWNER
INITIALS: _____

DATE: _____

SEE SHEET 1 FOR LAND SURVEYOR'S CERTIFICATE.

SEE SHEETS 1-3 OF 4 FOR GRAPHICS AND LABELS.

EASEMENT SURVEY FOR MVP SOUTHGATE TOWNSHIP OF MORTON ALAMANCE COUNTY, NORTH CAROLINA				
				
PIPELINE EASEMENT IN PROPERTY OF MICHAEL STEPHEN MADREN AND SPOUSE, PATSY LLOYD MADREN NC-AL-050.000 DEED BOOK 3774; 1268, PAGE 364; 241				
NC-AL-050.000				
Drawn By: DJB	Chk'd By: DD	App'd By: TWK	TRC Proj. No. 300423	Scale: 4 OF 4
MVP Proj. No.				
REVISIONS				
A	7/9/2019		ISSUE FOR REVIEW	
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